



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/609,483	07/01/2003	Kimitaka Murashita	1086.1184	2232		
21171	7590	10/16/2008	EXAMINER			
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005				CHOJNACKI, MELLISSA M		
ART UNIT		PAPER NUMBER				
2164						
MAIL DATE		DELIVERY MODE				
10/16/2008		PAPER				

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/609,483	MURASHITA, KIMITAKA
	<b>Examiner</b>	<b>Art Unit</b>
	MELLISSA M. CHOJNACKI	2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 18 July 2008.  
 2a) This action is **FINAL**.                  2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-4,6-14,16-24,26-30 and 32-34 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-4,6-14,16-24,26-30 and 32-34 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                         | Paper No(s)/Mail Date. _____ .                                    |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ . | 5) <input type="checkbox"/> Notice of Informal Patent Application |
|  | 6) <input type="checkbox"/> Other: _____ .                        |

## DETAILED ACTION

### Remarks

1. In response to communications filed on July 18, 2008, no new claims have been cancelled; claims 1, 11, and 20-21 have been amended, and no new claims. Therefore, claims 1-4, 6-24, 26-30, and 32-34 are still presently pending in the application.

### ***Claim Objections***

2. Claims 21-24, 26-30 and 34 are objected to because of the following informalities:

Claim 21 recites the limitations “**for** allowing”, which defines the claim language as “intended use” (See MPEP § 2111.04). Therefore, the claim language suggests or makes optional but does not require steps to be performed, or by claim language that does not limit a claim to a particular structure. Examiner suggests changing “**for**” to “**to**”.

Claims 22-24, 26-30 and 34 are objected to because they are dependent upon objected independent claim 21. Appropriate corrections are

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4, 6-7, 9-17, 19-24, 26-27, 29-30, and 32-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Freivald et al. (U.S. Patent No. 5,898,836) in view of Saito et al. (U.S. Patent No. 2003/0140309).

As to claim 1, Freivald et al. teaches an information collecting apparatus (See abstract) comprising:

a network connecting unit which connects to a network (See column 1, lines 9-11; column 3, lines 64-67; column 4, lines 1-6);

an event collecting destination site registering unit which registers event collecting destination sites for detecting the presence or absence of an event which occurred on the network or in the real world (See abstract; column 3, lines 64-67; column 4, lines 1-30);

an information collecting destination site registering unit which registers information collecting destination sites for collecting documents including data comprising text, image, audio sound, or a combination thereof (See abstract; column 3, lines 64-67; column 4, lines 1-30; column 3, lines 30-41; column 7, lines 59-65);

an event detecting unit which obtains information from the registered event collecting destination sites and detects the presence or absence of the occurrence of the event from the presence or absence of an update of the obtained information (See column 3, lines 64-67; column 4, lines 1-26).

Freivald et al. not explicitly teach a keyword extracting unit which extracts one or more keywords from an updating area detected by the event detecting unit; an

information searching unit which searches the documents in the registered information collecting destination sites by using the keyword extracted by the keyword extracting unit; and an information notifying unit which notifies the user of a search result of the information searching unit; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by the keyword extracting unit.

Saito et al. teaches information processing apparatus, information processing method, storage medium, and program (See abstract), in which he teaches a keyword extracting unit which extracts one or more keywords from an updating area in response to the updating area being detected by the event detecting unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); an information searching unit which searches the documents in the registered information collecting destination sites for a predetermined period of time by using the keyword extracted by the keyword extracting unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-003; paragraph 0099-0104; paragraph 0117; paragraphs 0124-0125; paragraph 0130); and an information notifying unit which notifies the user of a search result of the information searching unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by the

keyword extracting unit (See paragraphs 0102-0103; paragraph 0107; paragraph 0119; paragraphs 0124-0127).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Freivald et al., to include a keyword extracting unit which extracts one or more keywords from an updating area detected by the event detecting unit; an information searching unit which searches the documents in the registered information collecting destination sites for a predetermined period of time by using the keyword extracted by the keyword extracting unit; and an information notifying unit which notifies the user of a search result of the information searching unit; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by the keyword extracting unit.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Freivald et al., by the teachings of Saito et al. because a keyword extracting unit which extracts one or more keywords from an updating area detected by the event detecting unit; an information searching unit which searches the documents in the registered information collecting destination sites for a predetermined period of time by using the keyword extracted by the keyword extracting unit; and an information notifying unit which notifies the user of a search result of the information searching unit; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered

information collecting destination site periodically for a predetermined period of time by using the keywords extracted by the keyword extracting unit would give the user an indication of how significant the change is and reduce the number of change notifications sent to the user and reduce storage requirements (See Freivald et al., column 3, lines 49-61).

As to claims 2, 12 and 22, Freivald et al. as modified, teaches wherein the event detecting unit accesses the event collecting destination site, downloads the document in the site, stores it as a reference, thereafter, detects the presence or absence of the event occurrence from the presence or absence of the update by comparing the document downloaded from the event collecting destination site with the reference, and updates the reference by using the downloaded document (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22); wherein in the event detecting step, the event collecting destination site is accessed, the document in the site is downloaded and stored as a reference, and thereafter, the presence or absence of the event occurrence is detected from the presence or absence of the update by comparing the document downloaded from the event collecting destination site with the reference (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22); wherein the event detecting step, the event collecting destination site is accessed, the document in the site is downloaded and stored as a reference, and thereafter, the presence or absence of the event occurrence is detected from the presence or absence of the update by comparing the document downloaded from the

event collecting destination site with the reference (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22).

As to claims 3, 13 and 23, Freivald et al. as modified, teaches wherein the information searching unit accesses the information collecting destination site, downloads the document in the site, and searches a corresponding document portion by using the keyword from the downloaded document (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22; column 14, lines 48-59; also Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); wherein in the information searching step, the information collecting destination site is accessed, the document in the site is downloaded, and a corresponding document portion is searched by using the keyword from the downloaded document (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22; column 14, lines 48-59; also see Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); wherein in the information searching step, the information collecting destination site is accessed, the document in the site is downloaded, and a corresponding document portion is searched by using the keyword from the downloaded document (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22; column 14, lines 48-59; also See Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031).

As to claims 4, 14 and 24, Freivald et al. as modified, teaches a document storing unit which stores the document obtained from the information collecting destination site by the information searching unit (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22; also see Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); a document storing step wherein the document obtained from the information collecting destination site by the information searching step is stored into a document storing unit (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22; also see Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); a document storing step wherein the document obtained from the information collecting destination site by the information searching step is stored into a document storing unit (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22; also see Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031).

As to claims 6, 16 and 26, Freivald et al. as modified, teaches wherein the event collecting destination site registering unit obtains the event collecting destination site from an event collecting destination list server via the network and registers it, and the information collecting destination site registering unit obtains the information collecting destination site from an information collecting destination list server via the network and registers it (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22); wherein in the event collecting destination site registering step,

the event collecting destination site is obtained from an event collecting destination list server via the network and registered, and in the information collecting destination site registering step, the information collecting destination site is obtained from an information collecting destination list server via the network and registered (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22); wherein in the event collecting destination site registering step, the event collecting destination site is obtained from an event collecting destination list server via the network and registered, and in the information collecting destination site registering step, the information collecting destination site is obtained from an information collecting destination list server via the network and registered (See Freivald et al., abstract; column 2, lines 8-22; column 3, lines 64-67; column 4, lines 1-22).

As to claims 7, 17 and 27, Freivald et al. as modified, teaches wherein the event collecting destination site registering unit obtains event collecting destination sites from another information collecting apparatus having the same construction via the network and registers them, and the information collecting destination site registering unit obtains information collecting destination sites from the information collecting apparatus having the same construction via the network and registers them (See Freivald et al., column 2, lines 37-48; column 6, lines 20-32); wherein in the event collecting destination site registering step, event collecting destination sites are obtained from another information collecting apparatus having the same construction via the network and registered, and in the information collecting destination site registering step, information

collecting destination sites are obtained from the information collecting apparatus having the same construction via the network and registered (See Freivald et al., column 2, lines 37-48; column 6, lines 20-32); wherein in the event collecting destination site registering step, event collecting destination sites are obtained from another information collecting apparatus having the same construction via the network and registered, and in the information collecting destination site registering step, information collecting destination sites are obtained from the information collecting apparatus having the same construction via the network and registered (See Freivald et al., column 2, lines 37-48; column 6, lines 20-32).

As to claims 9, 19 and 29, Freivald et al. as modified, teaches wherein if only new information has been added to the updating area of the event collecting destination site in which the event occurrence has been detected, the event detecting unit stores a history of the new information, and if old information was deleted simultaneously with the addition of the new information to the updating area, the event detecting unit stores the history of the new information and a history of the deleted information and the information notifying unit is enabled to notify the user of the stored histories (See Freivald et al., column 2, lines 37-48; column 6, lines 20-46); wherein in the event detecting step, if only new information has been added to the updating area of the event collecting destination site in which the event occurrence has been detected, a history of the new information is stored, and if old information was deleted simultaneously with the addition of the new information to the updating area, the history of the new information

and a history of the deleted information are stored and the information notifying unit is enabled to notify the user of the stored histories (See Freivald et al., column 2, lines 37-48; column 6, lines 20-46); wherein in the event detecting step, if only new information has been added to the updating area of the event collecting destination site in which the event occurrence has been detected, a history of the new information is stored, and if old information was deleted simultaneously with the addition of the new information to the updating area, the history of the new information and a history of the deleted information are stored and the information notifying unit is enabled to notify the user of the stored histories (See Freivald et al., column 2, lines 37-48; column 6, lines 20-46).

As to claims 10, 20 and 30, Freivald et al. as modified, teaches wherein if only new information has been added to the updating area of the event collecting destination site in which the event occurrence has been detected, the event detecting unit stores the keyword extracted by the keyword extracting unit as a history of the new information, and if old information was deleted simultaneously with the addition of the new information to the updating area, the event detecting unit stores the keyword extracted by the keyword extracting unit as a history of the new information and a history of the deleted information and the information notifying unit is enabled to notify the user of the keyword as stored histories (See Freivald et al., column 2, lines 37-48; column 6, lines 20-32; also see Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); wherein in the event detecting step, if only new information has been added to the updating area of the event collecting

destination site in which the event occurrence has been detected, the keyword extracted in the keyword extracting step is stored as a history of the new information, and if old information was deleted simultaneously with the addition of the new information to the updating area, the keyword extracted by the keyword extracting unit is stored as a history of the new information and a history of the deleted information and the information notifying unit is enabled to notify the user of the keyword as stored histories (See Freivald et al., column 2, lines 37-48; column 6, lines 20-32; also see Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); wherein in the event detecting step, if only new information has been added to the updating area of the event collecting destination site in which the event occurrence has been detected, the keyword extracted in the keyword extracting step is stored as a history of the new information, and if old information was deleted simultaneously with the addition of the new information to the updating area, the keyword extracted in the keyword extracting step is stored as a history of the new information and a history of the deleted information and the information notifying unit is enabled to notify the user of the keyword as stored histories (See Freivald et al., column 2, lines 37-48; column 6, lines 20-32; also see Saito et al., abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031).

As to claim 11, Freivald et al. teaches a program for allowing a computer to execute (See abstract):

an event collecting destination site registering step wherein event collecting destination sites for detecting the presence or absence of an event occurring on a network or in the real world are registered by an event collecting destination site registering unit (See column 1, lines 9-11; column 3, lines 64-67; column 4, lines 1-30); an information collecting destination site registering step wherein information collecting destination sites for collecting documents including data such as text, image, audio sound, or a combination thereof are registered by an information collecting destination site registering unit (See abstract; column 3, lines 64-67; column 4, lines 1-30; column 3, lines 30-41; column 7, lines 59-65); an event detecting step wherein information is obtained from the registered event collecting destination sites and the presence or absence of event occurrence is detected by an event detecting unit on the basis of the presence or absence of update of the obtained information (See column 3, lines 64-67; column 4, lines 1-26).

Freivald et al. not teach a keyword extracting step wherein one or more keywords are extracted by a keyword extracting unit from an updating area detected in the event detecting step; an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step; and an information notifying step wherein the user is notified of a search result of the information searching step by an information notifying unit; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically

for a predetermined period of time by using the keywords extracted by the keyword extracting unit.

Saito et al. teaches information processing apparatus, information processing method, storage medium, and program (See abstract), in which he teaches a keyword extracting unit which extracts one or more keywords from an updating area in response to the updating area being detected by the event detecting unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-003; paragraph 0099-0104; paragraph 0117; paragraphs 0124-0125; paragraph 0130); and an information notifying unit which notifies the user of a search result of the information searching unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by the keyword extracting unit (See paragraphs 0102-0103; paragraph 0107; paragraph 0119; paragraphs 0124-0127).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Freivald et al., to include a keyword extracting step wherein one or more keywords are extracted by a keyword

extracting unit from an updating area detected in the event detecting step; an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step; and an information notifying step wherein the user is notified of a search result of the information searching step by an information notifying unit; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by the keyword extracting unit.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Freivald et al., by the teachings of Saito et al. because a keyword extracting step wherein one or more keywords are extracted by a keyword extracting unit from an updating area detected in the event detecting step; an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step; and an information notifying step wherein the user is notified of a search result of the information searching step by an information notifying unit; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by the keyword extracting

unit would give the user an indication of how significant the change is and reduce the number of change notifications sent to the user and reduce storage requirements (See Freivald et al., column 3, lines 49-61).

As to claim 21, Freivald et al. teaches an information collecting apparatus (See abstract) comprising:

an event collecting destination site registering step wherein event collecting destination sites for detecting the presence or absence of an event occurring on a network or in the real world are registered (See column 1, lines 9-11; column 3, lines 64-67; column 4, lines 1-30); an information collecting destination site registering step wherein information collecting destination sites for collecting documents including data such as text, image, audio sound, or combination thereof registered (See abstract; column 3, lines 64-67; column 4, lines 1-30; column 3, lines 30-41; column 7, lines 59-65); an event detecting step wherein information is obtained from the registered event collecting destination sites and the presence or absence of event occurrence is detected on the basis of the presence or absence of update of the obtained information (See column 3, lines 64-67; column 4, lines 1-26).

Freivald et al. not teach a keyword extracting step wherein one or more keywords are extracted from an updating area detected in the event detecting step; an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step; and an

information notifying step wherein the user is notified of a search result of the information searching step; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by said keyword extracting unit.

Saito et al. teaches information processing apparatus, information processing method, storage medium, and program (See abstract), in which he teaches a keyword extracting unit which extracts one or more keywords from an updating area in response to the updating area being detected by the event detecting unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-003; paragraph 0099-0104; paragraph 0117; paragraphs 0124-0125; paragraph 0130); and an information notifying unit which notifies the user of a search result of the information searching unit (See abstract; paragraph 0008; paragraph 0012; paragraphs 0015-0019; paragraphs 0029-0031); wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by said keyword extracting unit (See paragraphs 0102-0103; paragraph 0107; paragraph 0119; paragraphs 0124-0127).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Freivald et al., to include a keyword extracting step wherein one or more keywords are extracted from an updating area detected in the event detecting step; an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step; and an information notifying step wherein the user is notified of a search result of the information searching step; wherein the information searching unit, after the event detecting unit detects occurrence of an event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by said keyword extracting unit (See paragraphs 0102-0103; paragraph 0107; paragraph 0119; paragraphs 0124-0127).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Freivald et al., by the teachings of Saito et al. because a keyword extracting step wherein one or more keywords are extracted from an updating area detected in the event detecting step; an information searching step wherein the documents in the registered information collecting destination sites for a predetermined period of time are searched by an information searching unit by using the keyword extracted in the keyword extracting step; and an information notifying step wherein the user is notified of a search result of the information searching step; wherein the information searching unit, after the event detecting unit detects occurrence of an

event, searches documents in the registered information collecting destination site periodically for a predetermined period of time by using the keywords extracted by said keyword extracting unit would give the user an indication of how significant the change is and reduce the number of change notifications sent to the user and reduce storage requirements (See Freivald et al., column 3, lines 49-61).

As to claims 32-34, Freivald et al. as modified, teaches wherein the information searching unit counts the number of searching times as an information search result using the keyword, and stops the search using the keyword when the predetermined period of time has elapsed and the number of the searching times is equal to or less than a threshold value (See Saito et al., paragraphs 0100-0103; paragraph 0155; paragraphs 0216-0221); wherein the information searching step counts the number of searching times as an information search result using the keyword, and stops the search using the keyword when the predetermined period of time has elapsed and the number of the searching times is equal to or less than a threshold value (See Saito et al. paragraphs 0100-0103; paragraph 0155; paragraphs 0216-0221); wherein the information searching unit counts the number of searching times as an information search result using the keyword, and stops the search using the keyword when the predetermined period of time has elapsed and the number of the searching times is equal to or less than a threshold value (See Saito et al., paragraphs 0100-0103; paragraph 0155; paragraphs 0216-0221).

5. Claims 8, 18 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Freivald et al. (U.S. Patent No. 5,898,836) Saito et al. (U.S. Patent No. 2003/0140309), in further view of Song et al. (U.S. Patent Application No. 2002/0078044).

As to claims 8, 18 and 28, Freivald et al. as modified, does not teach wherein the keyword extracting unit morpheme-analyzes the updating area detected by the event detecting unit, divides it every part of speech, thereafter, extracts only proper nouns, and if the extracted nouns are different from existing keywords registered in a keyword database, outputs the extracted proper nouns as keywords to the information searching unit; wherein in the keyword extracting step, the updating area detected in the event detecting step is morpheme-analyzed and divided every part of speech, thereafter, only proper nouns are extracted, and if the extracted nouns are different from existing keywords registered in a keyword database, the extracted proper nouns are outputted as keywords to the information searching step; wherein in the keyword extracting step, the updating area detected in the event detecting step is morpheme-analyzed and divided every part of speech, thereafter, only proper nouns are extracted, and if the extracted nouns are different from existing keywords registered in a keyword database, the extracted proper nouns are outputted as keywords to the information searching step.

Song et al. teaches a system for automatically classifying documents by category learning using a genetic algorithm and a term cluster and method thereof (See abstract), in which he teaches wherein the keyword extracting unit morpheme-analyzes

the updating area detected by the event detecting unit, divides it every part of speech (See paragraph 0017; paragraph 0031; paragraph 0035), thereafter, extracts only proper nouns (See paragraph 0017; paragraph 0031; paragraph 0035), and if the extracted nouns are different from existing keywords registered in a keyword database, outputs the extracted proper nouns as keywords to the information searching unit (See paragraph 0017; paragraph 0031; paragraph 0035); wherein in the keyword extracting step, the updating area detected in the event detecting step is morpheme-analyzed and divided every part of speech, thereafter, only proper nouns are extracted, and if the extracted nouns are different from existing keywords registered in a keyword database, the extracted proper nouns are outputted as keywords to the information searching step (See paragraph 0017; paragraph 0031; paragraph 0035); wherein in the keyword extracting step, the updating area detected in the event detecting step is morpheme-analyzed and divided every part of speech, thereafter, only proper nouns are extracted, and if the extracted nouns are different from existing keywords registered in a keyword database, the extracted proper nouns are outputted as keywords to the information searching step (See paragraph 0017; paragraph 0031; paragraph 0035).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Freivald et al. as modified, to include a keyword extracting unit which extracts one or more keywords from an updating area detected by the event detecting unit; an information searching unit which searches the documents in the registered information collecting destination sites by

using the keyword extracted by the keyword extracting unit; and an information notifying unit which notifies the user of a search result of the information searching unit.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Freivald et al. as modified by the teachings of Song et al. because a keyword extracting unit which extracts one or more keywords from an updating area detected by the event detecting unit; an information searching unit which searches the documents in the registered information collecting destination sites by using the keyword extracted by the keyword extracting unit; and an information notifying unit which notifies the user of a search result of the information searching unit would give the user an indication of how significant the change is and reduce the number of change notifications sent to the user and reduce storage requirements (See Freivald et al., column 3, lines 49-61).

### ***Response to Arguments***

6. Applicant's arguments filed on 18-July -2008, with respect to the rejected claims 1-4,6-24, 26-30, and 32-34 have been fully considered but they are not found to be persuasive:

In response to applicants' arguments regarding "***Claim 1 of the present application, as amended, recites an information collecting apparatus with an information searching unit that, after an event detecting unit detects occurrence of an event, searches documents in a registered information collecting destination site periodically for a predetermined period of time by using keywords extracted by a keyword extracting unit. The Applicant respectfully***

***submits that neither Freivald nor Saito, taken alone or together, discloses or suggests at least this feature of claim 1,"*** the arguments have been fully considered but are not found to be persuasive, because a "predetermined time period" is vague and could be reasonably interpreted to be read on the Freivald and the Saito et al. references. Freivald discloses several times where the "predetermined time period" is disclosed, such as in column 2, lines 8-22, lines 42-44, where "once everyday or week" and "each week" can be read on "predetermined time period". Saito et al. discloses in paragraphs 0102-0103; paragraph 0107 and paragraph 0117 and paragraph 0125, a "threshold", "predetermined conditions" and an event detection which detects an event for a predetermined time/internal timer, which reads on the present application. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

In response to applicants' arguments regarding "The Applicant respectfully notes that the preceding discussion is offered merely to aid in the Examiner's understanding of some of the differences between claim 1 and the cited references. The Applicant does not rely on any discussed advantage, embodiment, or any other aspect of this discussion as providing patentably distinguishable features. Rather, the Applicant does rely on the recited feature of "wherein said information searching unit, after said event detecting unit detects occurrence of an event, searches documents in said registered information collecting destination site periodically for a predetermined period of time by

**using the keywords extracted by said keyword extracting unit" of claim 1. The Applicant respectfully submits that this actual notice of this fact should make any contrary characterization of the Applicant's traversals by the Examiner improper"**

the arguments have been fully considered but are not found to be persuasive, because the examiner understands the applicants examples and views them as just examples however, the examiner does not agree that the present claim language reflect the examples nor do they overcomes the prior art of record.

In response to applicants' arguments regarding "***the Applicant respectfully submits that not only is there no motivation to combine these references, but they actually teach away from one another,***" the arguments have been fully considered but are not found to be persuasive, because, as argued in the previous office action, both cited references teach inventions that are in the same field of endeavor. Freivald teaches registering and change detection in documents or web pages or emails and Saito teaches information processing which includes event detection in emails and updating information, therefore the examiner believes that Freivald can be modified Saito and the modified references combined can read on the present invention. Further, in response to applicants' arguments above, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a

reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

In response to applicants' arguments regarding "***the Examiner has cited the KSR decision in support of the lack of motivation to combine the references, the Applicant respectfully submits that this is not a proper rebuttal to the actual points made in the traversal above regarding the incompatibility of the cited references,***" the arguments have been fully considered but are not found to be persuasive, because the applicant does not state why it is "no a proper rebuttal" to the arguments pertaining to obviousness. Examiner would like to point out that pointing to the KSR decision was not the only argument the examiner presented but it is however a relevant one in rendering obviousness and should be cited.

### ***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MELLISSA M. CHOJNACKI whose telephone number is (571)272-4076. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 7, 2008  
Mmc

/Hosain T Alam/  
Supervisory Patent Examiner, Art Unit 2166